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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53(b))		<b>Attorney Docket No.</b> GEN-100D1
		<b>First Inventor</b> Lydie Bougueleret
<b>Title</b>	HUMAN DEFENSIN POLYPEPTIDE DEF-X, GENOMIC DNA AND cDNA, COMPOSITION CONTAINING THEM AND APPLICATIONS TO DIAGNOSIS AND TO THERAPEUTIC TREATMENT	
<b>Express Mail Label No.</b>		ET535904243US

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<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents.	<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g. PTO/SB/17) (Submit an original and a duplicate for fee processing)	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
2. <input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)	
3. <input checked="" type="checkbox"/> Specification [Total Pages 41] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed Sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure	a. <input checked="" type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input checked="" type="checkbox"/> paper c. <input checked="" type="checkbox"/> Statements verifying identity of above copies	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets 16]	<b>ACCOMPANYING APPLICATION PARTS</b>	
5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages 2] a. <input type="checkbox"/> Newly executed (original or copy) b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> Signed statement attached deleting inventor(s) named in the prior application, 37 CFR 1.63(d)(2) and 1.33(b).	9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	10. <input type="checkbox"/> 37 CFR 3.73(b) Statement of Power of Attorney (when there is an assignee)	
	11. <input type="checkbox"/> English Translation Document (if applicable)	
	12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449	<input type="checkbox"/> Copies of IDS Citations
	13. <input type="checkbox"/> Preliminary Amendment	
	14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
	15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
	16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	
	17. <input checked="" type="checkbox"/> Other: Cert. Of Express Mailing; Revoc./New P.O.A.	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-Part (CIP) of prior application No. 09 / 486,580

Prior application information: Examiner: J. Roark Group Art Unit: 1644

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

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Name (Print/Type)	Frank C. Eisenschenk, Ph.D.	Registration No. (Attorney/Agent)	45,332
Signature	<i>Frank C. Eisenschenk</i>	Date	October 18, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

<h1 style="margin: 0;">FEE TRANSMITTAL</h1> <h2 style="margin: 0;">for FY 2002</h2> <p style="font-size: small; margin: 5px 0;">Patent fees are subject to annual revision.</p>		<b>Complete if Known</b>	
<b>TOTAL AMOUNT OF PAYMENT</b> (\$ ) 928.00		Application Number Filing Date                      October 18, 2001 First Named Inventor          Lydie Bougueleret <i>et al.</i> Group Art Unit Examiner Name Attorney Docket No.          GEN-100D1	

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																																																																																																																																																																																													
<p>1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number                      19-0065</p> <p>Deposit Account Name                      Saliwanchik, Lloyd &amp; Saliwanchik</p> <p><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17</p> <p><input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input type="checkbox"/> Payment Enclosed:  <input type="checkbox"/> Check    <input type="checkbox"/> Credit Card    <input type="checkbox"/> Money Order    <input type="checkbox"/> Other</p>	<p>3. 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EXTRA CLAIM FEES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from Below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>40</td> <td>-20** = 20</td> <td>9</td> <td>180</td> </tr> <tr> <td>Independent Claims 12</td> <td>-3** = 9</td> <td>42</td> <td>378</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>FEE PAID</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>84</td><td>202</td><td>42</td><td>Independent claims in excess of 3 Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>104</td><td>280</td><td>204</td><td>140</td><td>**Reissue independent claims over original patent</td><td></td></tr> <tr><td>109</td><td>84</td><td>209</td><td>42</td><td>**Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td></td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"><b>Subtotal (2)    (\$ ) 558.00</b></td> <td></td> </tr> </tbody> </table> <p style="font-size: x-small;">**or number previously paid, if greater. 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proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive-unavoidable</td><td></td></tr> <tr><td>141</td><td>1,280</td><td>241</td><td>640</td><td>Petition to revive-unintentional</td><td></td></tr> <tr><td>142</td><td>1,280</td><td>242</td><td>640</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>460</td><td>243</td><td>230</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>620</td><td>244</td><td>310</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt.</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>740</td><td>246</td><td>370</td><td>Filing a submission after final rejection (37 CFR §1.129(a))</td><td></td></tr> <tr><td>149</td><td>740</td><td>249</td><td>370</td><td>For each additional invention to be examined (37 CFR§1.129(b))</td><td></td></tr> <tr><td>179</td><td>740</td><td>279</td><td>370</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="5">Other fee (specify) _____</td><td></td></tr> <tr> <td colspan="5" style="text-align: right;"> <b>Subtotal (3)    (\$ ) 0.00</b> </td> </tr> </tbody> </table> <p style="font-size: x-small;">*Reduced by Basic Filing Fee Paid</p>	Fee Code	Large Entity Fee (\$)	Fee Code	Small Entity Fee (\$)	Fee Description	FEE PAID	105	130	205	65	Surcharge-late filing fee or oath		127	50	227	25	Surcharge-late provisional filing fee or cover sheet		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first Month		116	400	216	200	Extension for reply within second month		117	920	217	460	Extension for reply within third month		118	1,440	218	720	Extension for reply within fourth month		128	1,960	228	980	Extension for reply within fifth month		119	320	219	160	Notice of Appeal		120	320	220	160	Filing for a brief support of an appeal		121	280	221	140	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive-unavoidable		141	1,280	241	640	Petition to revive-unintentional		142	1,280	242	640	Utility issue fee (or reissue)		143	460	243	230	Design issue fee		144	620	244	310	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Processing fee under 37 CFR 1.17(q)		126	180	126	180	Submission of Information Disclosure Stmt.		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	740	246	370	Filing a submission after final rejection (37 CFR §1.129(a))		149	740	249	370	For each additional invention to be examined (37 CFR§1.129(b))		179	740	279	370	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application		Other fee (specify) _____						<b>Subtotal (3)    (\$ ) 0.00</b>				
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SUBMITTED BY		Complete (if applicable)			
Name (Print/Type)	Frank C. Eisenschenk, Ph.D.	Registration No. (Attorney/Agent)	45,332	Telephone	352-375-8100
Signature	<i>Frank C. Eisenschenk</i>	Date	October 18, 2001		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Utility Patent Application  
Docket No. GEN-100D1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. : GEN-100D1  
Applicant(s) : Lydie Bougueleret and Ilya Chumakov  
For : HUMAN DEFENSIN POLYPEPTIDE DEF-X, GENOMIC DNA AND  
cDNA, COMPOSITION CONTAINING THEM AND APPLICATIONS TO  
DIAGNOSIS AND TO THERAPEUTIC TREATMENT

Box PATENT APPLICATION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

CERTIFICATE OF MAILING BY EXPRESS MAIL (37 CFR 1.10)

ET 535904243 US  
Express Mail No. \_\_\_\_\_ Date of Deposit: October 18, 2001  
ET535904243US

I hereby certify that the items listed on the attached Utility Patent Application Transmittal form, with copies as required for authorization for use of Deposit Account No. 19-0065, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and are addressed to: Box PATENT APPLICATION, Assistant Commissioner for Patents, Washington, D.C. 20231.

Brooke Bockemuehl  
Name of person mailing paper

Brooke Bockemuehl  
Signature

10045130.101301

I hereby certify that this correspondence is being deposited  
with the United States Postal Service as First Class Mail in  
an envelope addressed to the Assistant Commissioner for Patents,  
Washington, D.C. 20231 on the date shown below:  
December 28, 2000

COMMUNICATION  
Patent Application  
Docket No. GEN-100  
Serial No. 09/486,580



Frank C. Eisenschenk, Ph.D., Patent Attorney

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : Jessica H. Roark  
Art Unit : 1644  
Applicant(s) : Lydie Bougueleret and Ilya Chumakov  
Serial No. : 09/486,580  
Filed : February 25, 2000  
For : HUMAN DEFENSIN DEF-X, GENE AND DNAC, COMPOSITION  
CONTAINING SAME AND DIAGNOSTIC AND THERAPEUTIC  
APPLICATIONS

Assistant Commissioner for Patents  
Washington, D.C. 20231

COMMUNICATION

Sir:

Attached hereto please find an original Revocation of Power of Attorney and New Power of  
Attorney executed on December 19, 2000, and a copy of the corresponding Assignment dated  
January 27, 2000, that was submitted for recordation on or about February 25, 2000, in the  
application identified above.

Respectfully submitted,



Frank C. Eisenschenk, Ph.D.  
Patent Attorney

Registration No. 45,332

Phone No.: 352-375-8100

Fax No.: 352-372-5800

Address: Saliwanchik, Lloyd & Saliwanchik  
A Professional Association  
2421 NW 41<sup>st</sup> Street, Suite A-1  
Gainesville, FL 32606-6669

FCE/jaj

Attachment: Revocation of Power of Attorney and New Power of Attorney  
Copy of Assignment with Recordation Cover Sheet

10045180-101801

## CERTIFICATE UNDER 37 C.F.R. § 3.73(b)

Genset certifies that it is the owner of the entire right, title, and interest in the patent application identified above by virtue of an assignment to Genset dated January 27, 2000 by assignors Lydie Bougueleret, and Ilya Chumakov.

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

GENSET

By: 

John Lucas, Ph.D., J.D.

Director, Intellectual Property

Date 19 Dec 00